

METHOD OF PRODUCING POLYACRYLAMIDE HYDROGEL

Patent Number: SU1608193

Publication
date: 1990-11-23Inventor(s): RASHIDOVA SAZHIDA T (SU); ASKAROV KUDRAT A (SU); TOLMACHEVA GALINA
M (SU); ASHIROVA VIKTORIYA E (SU); KHALIKOV ABDUVASID KH (SU);
SIMONOVA LYUDMILA YA (SU)

Applicant(s):: SAMARKANDSKIY G MED I IM AKAD (SU)

Requested
Patent: SU1608193Application
Number: SU19894674491 19890404Priority Number
(s): SU19894674491 19890404IPC
Classification: C08F20/56EC
Classification: C08F20/56

Equivalents:

Abstract

Data supplied from the esp@cenet database - I2

008818684

WPI Acc No: 1991-322697/199144

XRAM Acc No: C91-139595

**Polyacrylamide hydrogel prodn. - by radical polymerisation of
polyacrylamide in aq. medium, in presence of ammonium
persulphate-chlorophyll redox system**

Patent Assignee: SAMARKAND MEDIC INS (SAMA-R)

Number of Countries: 001 Number of Patents: 001

Abstract (Basic): SU 1608193 A

Use of chlorophyll from the excretions of mulberry silkworm (I) as
the amine-contg. reducer in the redox system with ammonium persulphate
(II) (oxidiser), used in the prodn. of polyacrylamide hydrogel,
increases the efficiency of the process and quality of prod.

The hydrogel is obtd. by radical polymerisation of acrylamide
(III) in aq. medium under the action of redox system, with
(III):(II):(I) equal to 1:0.18:0.035-0.00035 respectively.

USE/ADVANTAGE - Used in chemistry of polymers to prepare
polyacrylamide hydrogel using simpler method. The prod. absorbs more
water and can be used in medicine, biotechnology and agriculture.

Bul.43/23.11.90 (2pp Dwg.No. 0/0)

Title Terms: POLYACRYLAMIDE; HYDROGEL; PRODUCE; RADICAL; POLYMERISE;
POLYACRYLAMIDE; AQUEOUS; MEDIUM; PRESENCE; AMMONIUM; PERSULPHATE;
CHLOROPHYLL; REDOX; SYSTEM

Derwent Class: A14; E12

International Patent Class (Additional): C08F-020/56



abs for

more search of

A9